



**MEENAKSHI CHANDRASEKARAN
COLLEGE OF ARTS AND SCIENCE**
(Affiliated to Bharathidasan University, Tiruchirappalli)
(UGC Recognized 2(f) & 12(B) Institution)

**Attainment of program outcomes and course outcomes
Course Outcome-Programme Outcome Mapping
Department of Physics**

STAFF NAME: Dr.P.DEEPA

16SCCPH6 - Atomic and Molecular physics

COURSE OUTCOME

CO1	Study properties of rays, production, charge calculation by experimental.
CO2	Fundamental of atom, structure,principles and effect of expeiments.
CO3	Production and detection of x-rays, Laws of x-rays and characteristics of x-rays.
CO4	Properities of metals, photo electric effect, experimental arrangement and verification, applications.
CO5	LASER properties, concepts, experimental and applications.

PO→	PO1	PO2	PO3	PO4	P05
CO↓					
CO1	1	2	0	1	1
CO2	3	3	0	2	1
CO3	2	1	1	1	2
CO4	2	3	2	3	3
CO5	3	3	0	2	2
Average	2.2	2.4	0.6	1.8	1.8

Internal Examination Mark Distribution for each Course outcome

CO	Internal	Seminar	Assignment
CO1	3	1	1
CO2	3	1	1

CO3	3	1	1
CO4	3	1	1
CO5	3	1	1
Total	15	5	5

S.No	Register No	Name	CO1	CO2	CO3	CO4	CO5	Total	PERCENTAGE
1	CB17S 435886	G.ABIMANI	4	3	4	4	4	19	76
2	CB17S 435887	A.ABINAYA	4	4	5	4	5	22	88
3	CB17S 435889	G.ANITHA	5	3	4	4	4	20	80
4	CB17S 435890	B.ANUSUYA	4	4	4	4	5	21	84
5	CB17S 435891	S.ATCHAYA	4	4	4	4	4	20	80
6	CB17S 435892	B.BALANISHALINI	3	4	4	3	4	18	72
7	CB17S 435893	S.BAVANIYA	3	4	4	3	4	18	72
8	CB17S 435894	K.DEEBADHARSHINI	4	4	4	3	4	19	76
9	CB17S 435896	A.ISHWARYA	4	4	4	4	4	20	80
10	CB17S 435897	S.ISWARYA	4	5	5	5	5	24	96
11	CB17S 435898	S.JANANISRI	5	4	5	4	4	22	88
12	CB17S 435899	R.KEERTHIGA	5	4	5	5	5	24	96
13	CB17S 435900	R.KOKILA	4	4	4	3	4	19	76
14	CB17S 435901	V.KRISHNAKUMARI	4	4	3	3	3	17	68
15	CB17S 435902	V.KRISHNAVENI	3	3	4	4	4	18	72
16	CB17S 435903	S.LAKSHMIPRIYA	4	4	4	4	3	19	76
17	CB17S 435904	S.MAHADEVI	4	4	4	3	4	19	76
18	CB17S 435905	G.MAHESHWARI	5	5	5	5	5	25	100
19	CB17S 435906	S.MANISHA	5	5	5	4	5	24	96
20	CB17S 435907	M.MONISHA	4	5	3	4	4	20	80
21	CB17S 435909	K.NARMATHA	3	4	4	3	2	16	64
22	CB17S 435910	G.NEELAVENI	3	4	4	4	4	19	76

23	CB17S 435911	J.NILOFER	3	4	4	3	3	17	68
24	CB17S 435912	P.NIVEDHA	5	4	5	4	5	23	92
25	CB17S 435914	I.PRADEEPA	4	4	4	4	4	20	80
26	CB17S 435915	J.PRIYADHARSHINI 13.06.2000	4	5	4	3	4	20	80
27	CB17S 435916	J.PRIYADHARSHINI (20.12.1999)	3	5	4	4	4	20	80
28	CB17S 435917	R.PRIYADHARSHINI	4	3	4	4	4	19	76
29	CB17S 435919	P.PUNITHA	4	3	3	4	4	18	72
30	CB17S 435920	M.RAMMIYA	5	5	4	5	4	23	92
31	CB17S 435921	K.RATHIKA	4	4	5	4	3	20	80
32	CB17S 435922	M.RESEGA	5	4	5	5	5	24	96
33	CB17S 435923	S.M.SAKTHIPRIYA	3	4	4	3	4	18	72
34	CB17S 435924	T.SALINI	3	4	4	4	4	19	76
35	CB17S 435925	B.SAROJINI	4	5	5	5	5	24	96
36	CB17S 435926	B.SATHYA	4	3	4	4	4	19	76
37	CB17S 435927	T.SIVANYA	5	5	4	5	3	22	88
38	CB17S 435928	S.SNEHA	4	4	4	3	5	20	80
39	CB17S 435929	S.SUBITHIRA	5	5	5	4	5	24	96
40	CB17S 435930	K.THAMARASELVI	4	5	3	4	4	20	80
41	CB17S 435931	V.UDHAYASURYA	5	4	5	5	5	24	96
42	CB17S 435932	S.VAISHNAVI	3	4	4	3	2	16	64
43	CB17S 435933	S.VIDHYA	4	4	3	4	4	19	76
44	CB17S 435934	M.VIJITHHIRA	4	3	4	4	4	19	76
45	CB17S 435935	K.VINITHA	5	4	5	4	5	23	92
46	CB17S 435936	A.VIVEKA	5	5	5	4	4	23	92
	Average		4.04	4.15	4.19	3.96	4.00		

Expected Attainment in each CO - 85%

CO	Internal Exam	External Exam	Total	%
CO1	4.04	75	79.04	92.99
CO2	4.15	75	79.15	93.12
CO3	4.19	75	79.19	93.16
CO4	3.96	75	78.96	92.89
CO5	4	75	79	92.94

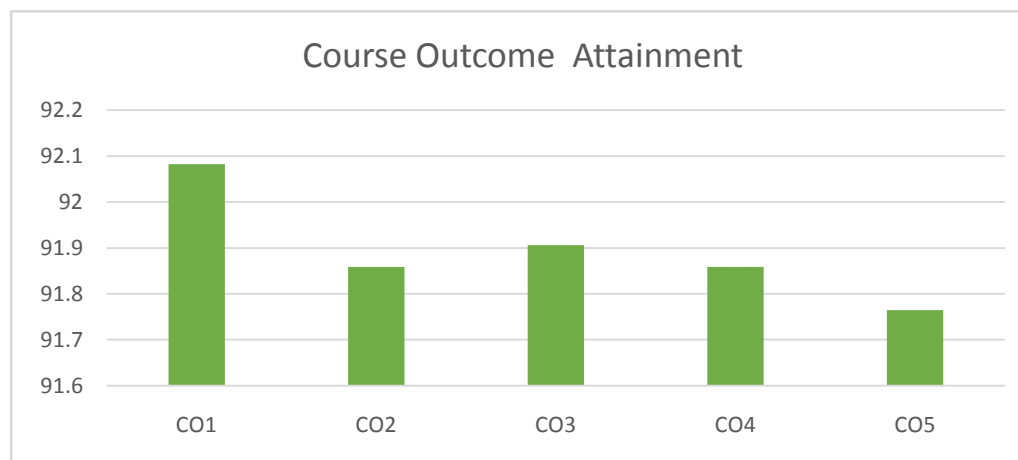
Course Attainment for B.Sc Physics

Subject Name: Atomic and Molecular Physics

Subject Code: 16SCCPH6

Number of Students: 46

Course Outcome	Percentage of Attainment
CO1	92.99
CO2	93.12
CO3	93.16
CO4	92.89
CO5	92.94



Course Attainment for B.Sc Physics

Subject Name: Atomic and Molecular Physics

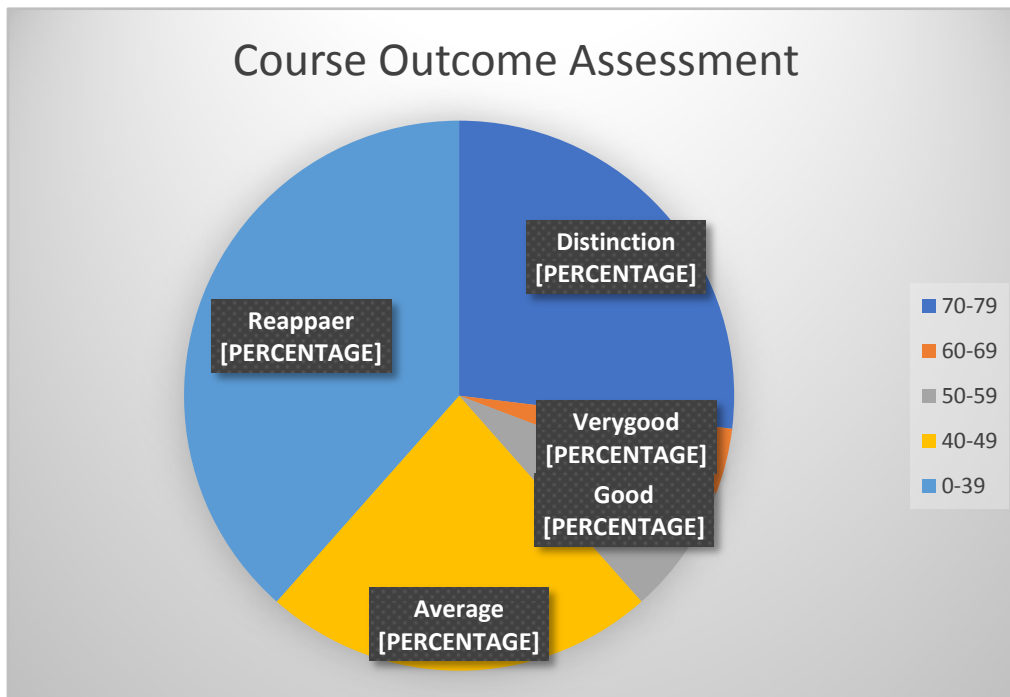
Subject Code: 16SCCPH6

Number of Students: 46

Course Outcome Assessment		
Category (Marks)	Number of Students	Status
90-100	0	Outstanding
80-89	0	Excellent
70-79	7	Distinction

60-69	1	Very Good
50-59	2	Good
40-49	6	Average
0-39	10	Reappear

Course Outcome Assessment Percentage		
Category (Marks)	Percentage	Status
70-79	26.92	Distinction
60-69	3.85	Very Good
50-59	7.69	Good
40-49	23.08	Average
0-39	38.46	Reappear



16SCCPH8- Nuclear physics
COURSE OUTCOME

CO1	The basic nuclear properties, Nuclear models
CO2	Radioactive decay law, types of decay and properties of neutrino.
CO3	Describe particle detectors and accelerators.
CO4	Nuclear reactions, conservation laws, Q-value calculations, Nuclear reactor.
CO5	Elementary particles, conservation laws, Quark model.

PO→	PO1	PO2	PO3	PO4	PO5
CO↓					
CO1	0	2	0	0	2
CO2	2	2	0	1	1
CO3	0	0	1	2	1
CO4	1	1	0	1	2
CO5	0	1	1	0	0
Average	0.6	1.2	0.4	0.8	1.2

Internal Examination Mark Distribution for each Course outcome

CO	Internal(1)	Seminar(5)	Assignment(5)
CO1	3	1	1
CO2	3	1	1
CO3	3	1	1
CO4	3	1	1
CO5	3	1	1
Total	15	5	5

Register No	Name	CO1	CO2	CO3	CO4	CO5	Total	PERCENTAGE
CB17S 435886	G.ABIMANI	4	3	4	4	5	20	80
CB17S 435887	A.ABINAYA	5	4	4	4	5	22	88
CB17S 435889	G.ANITHA	4	5	4	4	4	21	84
CB17S 435890	B.ANUSUYA	4	4	4	5	4	21	84
CB17S 435891	S.ATCHAYA	4	4	3	5	4	20	80
CB17S 435892	B.BALANISHALINI	3	4	4	4	4	19	76
CB17S 435893	S.BAVANIYA	4	4	4	4	4	20	80
CB17S 435894	K.DEEBADHARSHINI	4	4	4	4	4	20	80
CB17S 435896	A.ISHWARYA	3	3	4	4	5	19	76
CB17S 435897	S.ISWARYA	5	4	4	4	5	22	88
CB17S 435898	S.JANANISRI	4	4	4	3	4	19	76
CB17S 435899	R.KEERTHIGA	4	5	5	5	5	24	96
CB17S 435900	R.KOKILA	4	4	5	4	4	21	84
CB17S 435901	V.KRISHNAKUMARI	4	3	3	5	5	20	80
CB17S 435902	V.KRISHNAVENI	4	3	5	5	3	20	80
CB17S 435903	S.LAKSHMIPRIYA	3	4	5	3	4	19	76
CB17S 435904	S.MAHADEVI	4	5	5	3	3	20	80
CB17S 435905	G.MAHESHWARI	5	4	5	3	3	20	80
CB17S 435906	S.MANISHA	5	4	4	5	5	23	92
CB17S 435907	M.MONISHA	4	4	5	4	5	22	88
CB17S 435909	K.NARMATHA	5	5	3	3	4	20	80
CB17S 435910	G.NEELAVENI	3	4	3	5	5	20	80
CB17S 435911	J.NILOFER	4	3	5	3	5	20	80
CB17S 435912	P.NIVEDHA	5	5	4	4	4	22	88
CB17S 435914	I.PRADEEPA	3	5	5	4	3	20	80
CB17S 435915	J.PRIYADHARSHINI 13.06.2000	3	5	4	4	4	20	80
CB17S 435916	J.PRIYADHARSHINI (20.12.1999)	4	4	4	4	4	20	80
CB17S 435917	R.PRIYADHARSHINI	4	4	5	5	4	22	88
CB17S 435919	P.PUNITHA	3	3	4	5	5	20	80

CB17S 435920	M.RAMMIYA	5	5	5	5	5	25	100
CB17S 435921	K.RATHIKA	5	5	3	3	4	20	80
CB17S 435922	M.RESEGA	5	5	5	5	4	24	96
CB17S 435923	S.M.SAKTHIPRIYA	5	4	5	4	4	22	88
CB17S 435924	T.SALINI	4	3	3	5	5	20	80
CB17S 435925	B.SAROJINI	4	3	4	5	3	19	76
CB17S 435926	B.SATHYA	3	4	4	3	5	19	76
CB17S 435927	T.SIVANYA	4	5	4	3	3	19	76
CB17S 435928	S.SNEHA	5	4	4	3	3	19	76
CB17S 435929	S.SUBITHIRA	5	5	4	4	5	23	92
CB17S 435930	K.THAMARASELVI	4	4	4	4	5	21	84
CB17S 435931	V.UDHAYASURYA	4	4	4	4	4	20	80
CB17S 435932	S.VAISHNAVI	5	5	3	3	4	20	80
CB17S 435933	S.VIDHYA	3	4	3	5	4	19	76
CB17S 435934	M.VIJITHHIRA	4	3	5	3	4	19	76
CB17S 435935	K.VINITHA	5	4	4	4	4	21	84
CB17S 435936	A.VIVEKA	3	5	5	4	3	20	80
Average		4.18	4.29	4.13	3.88	3.95		

Expected Attainment in each CO - 85%

CO	Internal Exam	External Exam	Total	%
CO1	4.18	75	79.18	93.15
CO2	4.29	75	79.29	93.28
CO3	4.13	75	79.13	93.09
CO4	3.88	75	78.88	92.80

CO5	3.95	75	78.95	92.88
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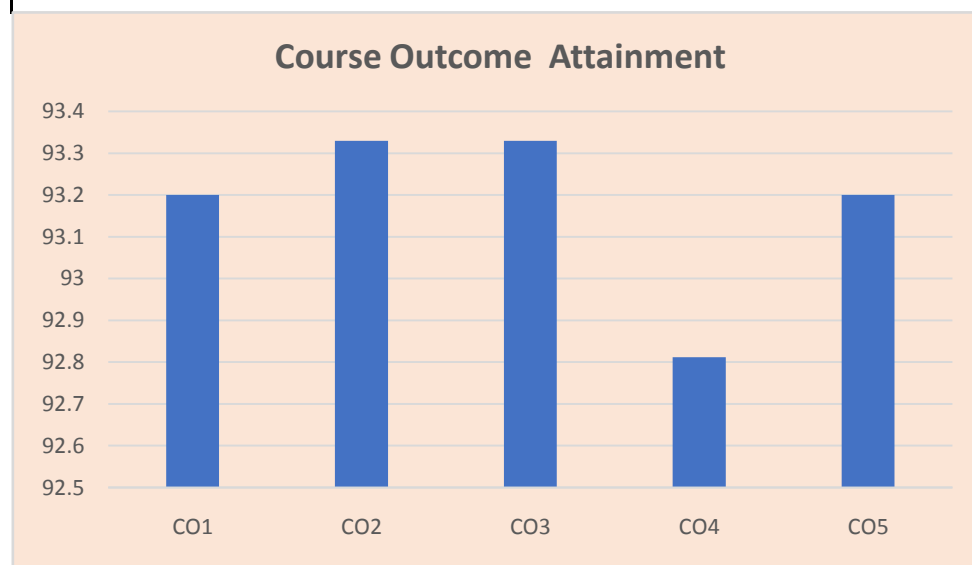
Course Attainment for B.Sc Physics

Subject Name: Nuclear physics

Subject Code: 16SCCPH8

Number of Students: 46

Course Outcome	Percentage of Attainment
CO1	93.15
CO2	93.28
CO3	93.09
CO4	92.80
CO5	92.88



Course Attainment for B.Sc Physics

Subject Name: Nuclear physics

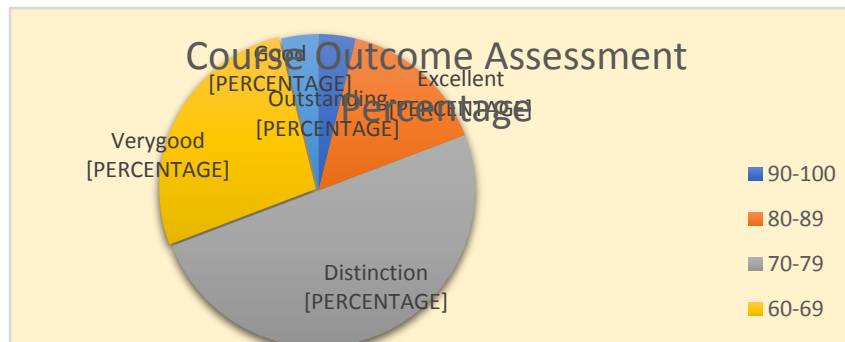
Subject Code: 16SCCPH8

Number of Students: 46

Course Outcome Assessment		
Category (Marks)	Number of Students	Status
90-100	1	Outstanding
80-89	4	Excellent
70-79	13	Distinction
60-69	7	Very Good
50-59	1	Good
40-49	0	Average
0-39	0	Reappear

%

Course Outcome Assessment Percentage		
Category (Marks)	Percentage	Status
90-100	3.85	Outstanding
80-89	15.38	Excellent
70-79	50.00	Distinction
60-69	26.92	Very Good
50-59	3.85	Good



PROGRAM OUTCOME

PO1	To understand the fundamentals of laws, principles and concepts.
PO2	To understand the structure, characteristics of various physical phenomena and their properties.
PO3	An ability to design analysis of circuit and interrupt data, testing of different electronics components and circuits.
PO4	To understand the implementation, Analysis fundamental process to recognizing experimental applying relevant laws to this problem
PO5	The course built a foundation of various applied field and technology to enhance the student accordance ability & personal

16SCCPH4- ELECTRICITY, MAGNETISM AND ELECTROMAGNETISM

COURSE OUTCOME

CO1	Coulombs law, Gauss's Law, Principle of Capacity and Loss of Energy Calculation
CO2	Critical Law, Kirchhoff's Law, Calibration of Ammeter and Voltmeter
CO3	Laws of Electromagnetic induction, Self and Mutual induction Decay of Current in a circuit
CO4	Series Circuit, Q-factor Calculation, Power in AC Circuits and Uses of Transformers
CO5	Properties of magnetic material, Energy loss due to magnetic.

Course Code & Course Code	PO→	PO1	PO2	PO3	PO4	PO5
	CO↓					
16SCCPH4- ELECTRICITY, MA GNETISM AND ELECTROMAGNE TISM	CO1	2	0	1	1	0
	CO2	2	1	1	1	1
	CO3	1	0	0	0	1
	CO4	1	1	1	0	2
	CO5	0	2	0	1	1
	Average		1.2	0.8	0.6	0.6

Internal Examination Mark Distribution for each Course outcome

CO	Internal	Seminar	Assignment
CO1	3	1	1
CO2	3	1	1
CO3	3	1	1
CO4	3	1	1
CO5	3	1	1
Total	15	5	5

S.No	Register No	Name	CO1	CO2	CO3	CO4	CO5	Total	PERCENTAGE
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1	CB18S 439316	ABIRAMLK	4	4	4	4	4	20	80
2	CB18S 439317	ABITHA.T	5	4	5	5	4	24	96
3	CB18S 439318	AHAMED NAIMA.S	4	4	4	4	4	20	80
4	CB18S 439321	ARCHANA.S	5	5	5	5	4	24	96
5	CB18S 439323	ELAKKIYA.V	5	2	4	5	3	20	80
6	CB18S 439324	ELAVARASLK	5	4	4	3	4	20	80
7	CB18S 439325	HARISRLS	4	4	4	3	4	20	80
8	CB18S 439326	INIYA.T	4	4	5	4	4	23	92
9	CB18S 439328	KAVITHA.B	4	4	5	4	5	24	96
10	CB18S 439329	MAHARA JOTHLR	4	4	5	5	5	24	96
11	CB18S 439330	MALAVIHA.M	4	4	4	4	4	20	80
12	CB18S 439331	MALINLV	5	5	5	5	4	24	96
13	CB18S 439332	MEGA.K	4	4	4	4	4	20	80
14	CB18S 439333	NIROJA.S	4	4	4	4	4	20	80
15	CB18S 439335	NIVETHA.S	4	5	5	5	4	24	96
16	CB18S 439336	PAVITHRA.P	4	2	5	5	3	20	80
17	CB18S 439337	RAAHATH MAIESHA.I	4	4	4	3	4	20	80
18	CB18S 439338	RAJASRID	5	4	4	3	4	20	80
19	CB18S 439339	RAKAVLM	5	5	5	4	4	23	92
20	CB18S 439340	SARAYU.K	5	5	5	4	5	24	96
21	CB18S 439341	SOWMIYA.P	4	5	5	5	5	24	96
22	CB18S 439342	VINITHA.V	5	5	5	4	5	24	96
23	CB18S 439343	VINOTHINI.M	4	5	5	5	5	24	96
Average			4.36	4.36	4.64	4.18	4.27		

Expected Attainment in each CO - 85%

CO	Internal Exam	External Exam	Total	%
CO1	4.36	75	79.36	93.36
CO2	4.36	75	79.36	93.36
CO3	4.64	75	79.64	93.69
CO4	4.18	75	79.18	93.15
CO5	4.27	75	79.27	93.26

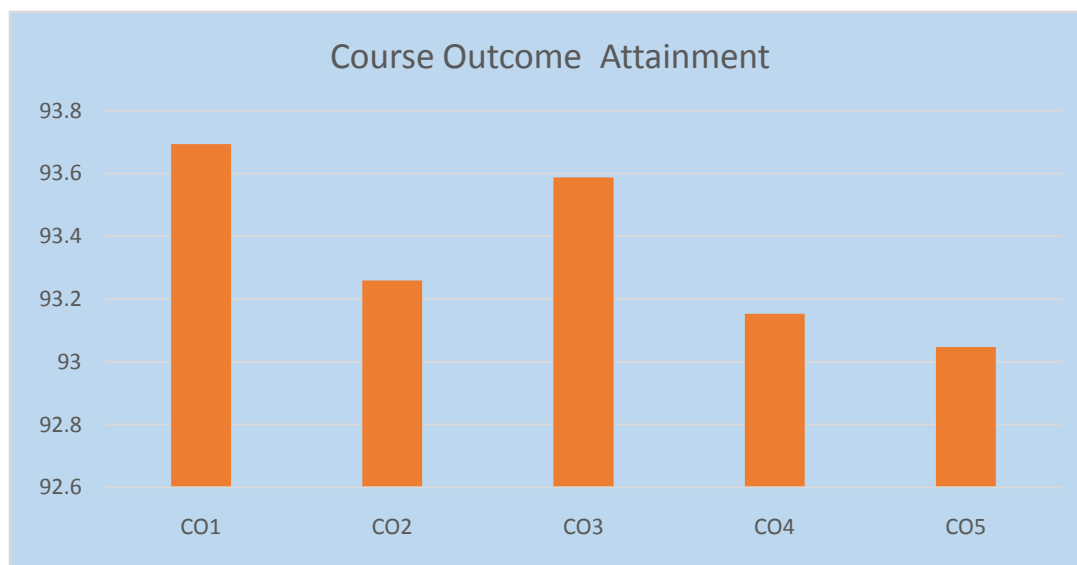
Course Attainment for B.Sc Physics

Subject Name: ELECTRICITY,MAGNETISM AND ELECTROMAGNETISM

Subject Code: 16SCCPH4

Number of Students:23

Course Outcome	Percentage of Attainment
CO1	93.36
CO2	93.36
CO3	93.69
CO4	93.15
CO5	93.26



Course Attainment for B.Sc Physics

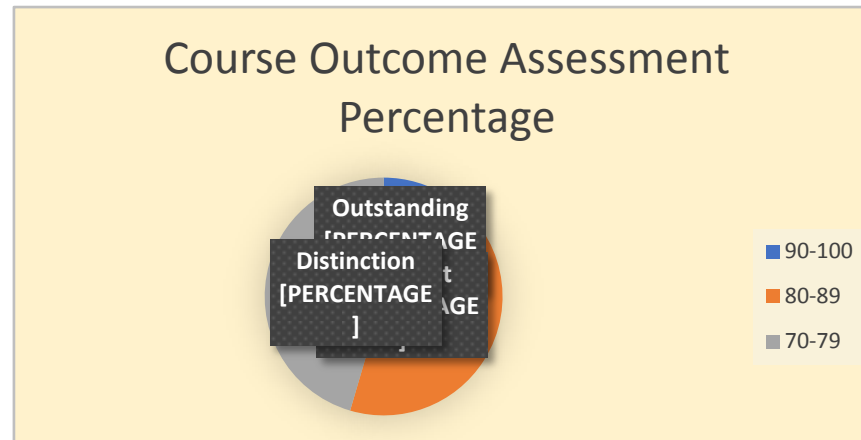
Subject Name: ELECTRICITY,MAGNETISM AND ELECTROMAGNETISM

Subject Code: 16SCCPH4

Number of Students: 23

Course Outcome Assessment		
Category (Marks)	Number of Students	Status
90-100	1	Outstanding
80-89	5	Excellent
70-79	5	Distinction
60-69	0	Very Good
50-59	0	Good
40-49	0	Average
0-39	0	Reappear

Course Outcome Assessment Percentage		
Category (Marks)	Percentage	Status
90-100	9.09	Outstanding
80-89	45.45	Excellent
70-79	45.45	Distinction



PROGRAM OUTCOME

PO1	To understand the fundamentals of laws, principles and concepts.
PO2	To understand the structure, characteristics of various physical phenomena and their properties.
PO3	An ability to design analysis of circuit and interrupt data, testing of different electronics components and circuits.
PO4	To understand the implementation, Analysis fundamental process to recognizing experimental applying relevant laws to this problems.
PO5	The course built a foundation of various applied field and technology to enhance the student accordance ability & personal quality transferrable skill.

16SCCPH5- Optics
COURSE OUTCOME

CO1	Study different types of Spherical aberration and Chromatic aberration in a lens
CO2	Fundamental of Stationary waves and its applications of interference
CO3	To study differentiate Fresnel's diffraction and Fraunhofer diffraction.
CO4	To understand fundamental process of double image polarizing prism and experimental of Laurent's half shade polarimeter
CO5	To understand various types of Eyepieces and accordance with microscope and Telescope.

PO→					
CO↓	PO1	PO2	PO3	PO4	P05
CO1	2	0	2	1	2
CO2	2	2	0	1	1
CO3	0	0	1	2	1
CO4	1	1	0	1	0
CO5	0	1	1	0	0
Average	1	0.8	0.8	1	0.8

Internal Examination Mark Distribution for each Course outcome

CO	Internal	Seminar	Assignment
CO1	3	1	1
CO2	3	1	1
CO3	3	1	1
CO4	3	1	1
CO5	3	1	1
Total	15	5	5

S.NO	Name	Register No	CO1	CO2	CO3	CO4	CO5	Total	PERCENTAGE
1	ABOORVA.R	CB15S 428901	4	4	4	4	4	20	80

2	ADHITHYA.S	CB15S 428902	3	2	3	5	5	18	72
3	AKALYA.T	CB15S 428903	3	3	4	4	4	18	72
4	AKILA.G	CB15S 428904	3	3	4	5	4	19	76
5	BHARANLR.N	CB15S 428905	2	2	2	2	3	11	44
6	DEEPIKA.R	CB15S 428906	2	2	2	2	4	12	48
7	DHANALAKSHMLS	CB15S 428907	2	2	3	2	3	12	48
8	DHINAPRIYA.J	CB15S 428908	2	2	4	2	4	14	56
9	DHURGA.M	CB15S 428909	3	2	2	2	3	12	48
10	DIVYA.M	CB15S 428910	3	3	3	5	5	19	76
11	DIVYA.V	CB15S 428911	3	5	3	3	4	18	72
12	GOWSALYA.M	CB15S 428912	2	4	5	5	5	21	84
13	HELEN GRACIYA.V	CB15S 428913	3	2	2	3	4	14	56
14	JAYADEVL.R.K	CB15S 428914	3	2	3	2	2	12	48
15	JEMIMA.G	CB15S 428915	2	2	3	2	3	12	48
16	JOTHIKA.K	CB15S 428916	2	2	2	2	2	10	40
17	KEERTHANA.A	CB15S 428917	2	2	2	2	3	11	44
18	MAHALAKSHMLR	CB15S 428918	2	2	2	2	3	11	44
19	MAHESHWARI.J	CB15S 428919	3	2	5	5	5	20	80
20	MAHESHWARI.M	CB15S 428920	4	4	5	4	5	22	88
21	MANIMEGALAIN	CB15S 428921	4	4	4	4	4	20	80
22	MUTHU LAKSHMI.B	CB15S 428922	2	2	3	2	4	13	52
23	NANTHINI.P	CB15S 428923	3	2	3	2	2	12	48
24	NAVEENA.M	CB15S 428924	2	2	2	2	2	10	40
25	NITHIYA.P	CB15S 428925	4	5	4	4	4	21	84
26	PIRITHI.P	CB15S 428926	2	2	2	4	3	13	52
27	PONMANLN	CB15S 428927	3	2	2	3	2	12	48
28	PONMOZHIT	CB15S 428928	3	2	3	5	5	18	72
29	PRAMITHA.S	CB15S 428929	3	3	4	4	4	18	72
30	PREMALATHA.T	CB15S 428930	3	3	4	5	4	19	76
31	PRIYA.N.G	CB15S 428931	2	2	2	2	3	11	44
32	PRIYADHARSHINI.D	CB15S 428932	2	2	2	2	4	12	48
33	PRIYADHARSINI.S	CB15S 428933	2	2	3	2	3	12	48
34	PRIYANGA.M	CB15S 428934	2	2	4	2	4	14	56

35	PRIYANKA.P	CB15S 428935	3	2	2	2	3	12	48
36	RAJESHWARIS	CB15S 428936	3	3	3	5	5	19	76
37	RAMYA.K	CB15S 428937	3	5	3	3	4	18	72
38	RAMYA.R	CB15S 428938	2	4	5	5	5	21	84
39	RANJITHA.P	CB15S 428939	3	2	2	3	4	14	56
40	RENUGA.K	CB15S 428940	3	2	3	2	2	12	48
41	SANGAMITHRA.V	CB15S 428942	2	2	3	2	3	12	48
42	SANGAVLT	CB15S 428943	2	2	2	2	2	10	40
43	SARANYA.S	CB15S 428945	2	2	2	2	3	11	44
44	SHALINI.P	CB15S 428946	2	2	2	2	3	11	44
45	SIVARANJANI.M	CB15S 428947	3	2	5	5	5	20	80
46	SUBATHRA.S	CB15S 428948	4	4	5	4	5	22	88
47	SUSMITHA.B	CB15S 428949	4	4	4	4	4	20	80
48	THAMIZHINI.M	CB15S 428950	2	2	3	2	4	13	52
49	THENMOZHILR	CB15S 428952	3	2	3	2	2	12	48
50	UDHAYANILA.S	CB15S 428953	2	2	2	2	2	10	40
51	VARSHINI.V	CB15S 428954	4	5	4	4	4	21	84
52	VINODHA.K	CB15S 428955	2	2	2	4	3	13	52
53	VINOTHINI.P	CB15S 428956	3	2	3	2	2	12	48
54	VISHNUPRIYA.C	CB15S 428957	2	2	2	2	2	10	40
55	YAMUNA.R	CB15S 428958	4	5	4	4	4	21	84
56	YOGAPRIYA.R	CB15S 428959	2	2	2	4	3	13	52
Average			2.67	2.67	2.78	2.89	2.89		

Expected Attainment in each CO - 85%

CO	Internal Exam	External Exam	Total	%
CO1	2.67	75	77.67	91.37
CO2	2.67	75	77.67	91.37
CO3	2.78	75	77.78	91.50
CO4	2.89	75	77.89	91.63
CO5	2.89	75	77.89	91.63

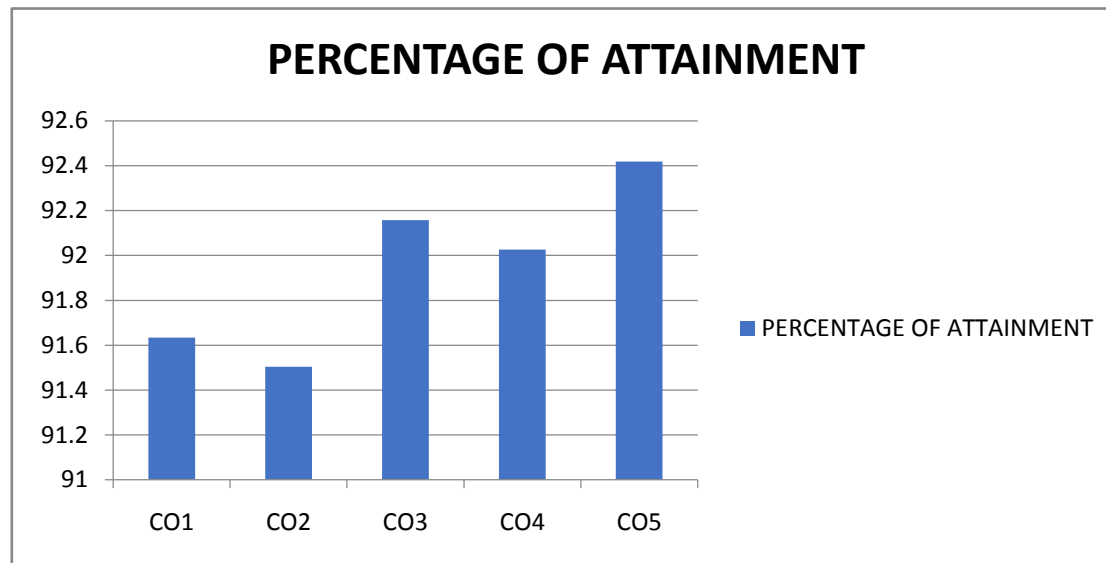
COURSE ATTAINMENT FOR B.Sc Physics

SUBJECT NAME: Optics

SUBJECT CODE : 16SCCPH5

NO.OF STUDENTS :56

COURSE OUTCOME	PERCENTAGE OF ATTAINMENT
CO1	91.63
CO2	91.50
CO3	92.16
CO4	92.03
CO5	92.42



COURSE ATTAINMENT FOR B.Sc Physics

SUBJECT NAME Optics

SUBJECT CODE 16SCCPH5

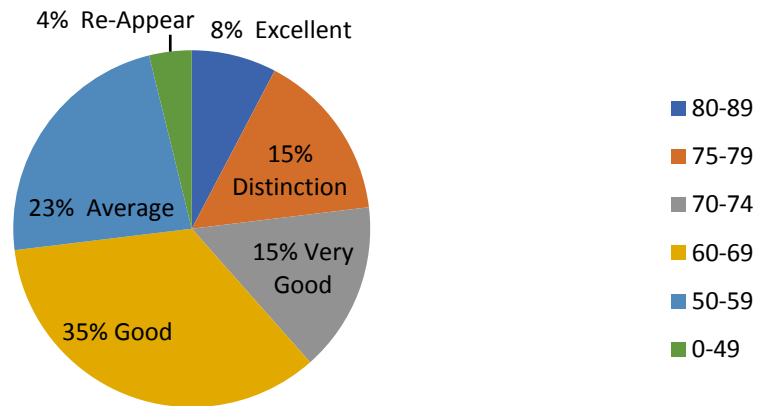
NO.OF STUDENTS 56

COURSE OUTCOME ASSESSMENT

CATEGORY (MARK)	NO.OF STUDENTS	STATUS
90-100	0	TSTANDING
80-89	2	XCELLENT
75-79	4	STINCTION
70-74	4	ERY GOOD
60-69	9	GOOD
50-59	6	AVERAGE
0-49	1	E-APPEAR

CATEGORY	PERCENTAGE	STATUS
80-89	7.69	XCELLENT
75-79	15.38	STINCTION
70-74	15.38	ERY GOOD
60-69	34.62	GOOD
50-59	23.08	AVERAGE
0-49	3.85	E-APPEAR

COURSE OUTCOME ASSESSMENT



16SCCPH9 - Theoretical Physics

COURSE OUTCOME

CO1	Study fundamental laws, Conservation theorem and Symmetry properties.
CO2	To understand the characteristics of generalized momentum and Cyclic co-ordinate.
CO3	To understand experimental study of matter waves and Debroglie relation.
CO4	To understand the development of Schrodinger wave equation and properties of wave function
CO5	To study the foundation of Quantum system.

PO→	PO1	PO2	PO3	PO4	PO5
CO↓					
CO1	2	2	2	1	1
CO2	1	1	0	2	1
CO3	2	1	1	1	2
CO4	2	3	2	1	3
CO5	3	3	0	2	3
Average	2	2	1	1.4	2

Internal Examination Mark Distribution for each Course outcome

CO	Internal	Seminar	Assignment
CO1	3	1	1
CO2	3	1	1
CO3	3	1	1
CO4	3	1	1
CO5	3	1	1
Total	15	5	5

Name	Register No	CO1	CO2	CO3	CO4	CO5	Total	PERCENTAGE
		5	5	4	5	2	21	84
		5	5	5	5	5	25	100
		5	5	5	4	5	24	96
		5	5	4	4	5	23	92
		5	5	5	4	2	21	84

		5	5	5	3	4	22	88
		5	5	5	3	2	20	80
		2	5	5	5	3	20	80
		5	5	5	3	2	20	80
		5	5	5	5	5	25	100
		5	5	5	4	4	23	92
		5	5	5	5	5	25	100
		5	4	5	3	3	20	80
		5	5	5	4	2	21	84
		4	4	4	5	3	20	80
		5	5	5	4	2	21	84
		5	5	5	4	2	21	84
		5	5	4	4	2	20	80
		5	5	5	5	5	25	100
		4	5	3	4	4	20	80
		3	4	5	5	5	22	88
		5	4	4	5	3	21	84
		4	4	4	4	4	20	80
		5	5	4	4	2	20	80
		3	3	5	4	5	20	80
		4	4	4	4	4	20	80
Average		4.58	4.69	4.62	4.19	3.46		

Expected Attainment in each CO - 85%

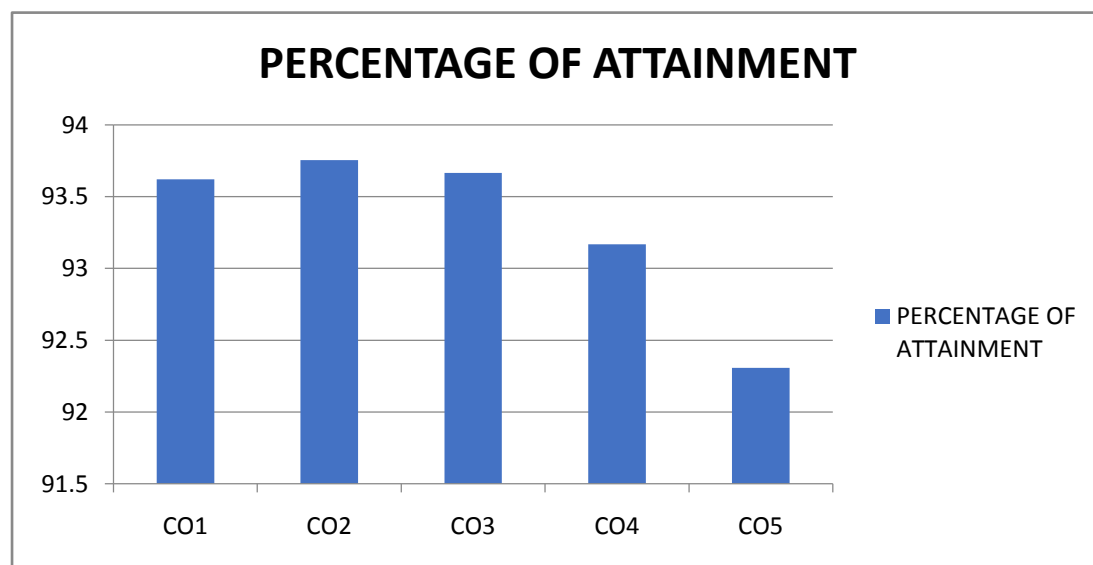
CO	Internal Exam	External Exam	Total	%
CO1	4.58	75	79.58	93.62
CO2	4.69	75	79.69	93.76
CO3	4.62	75	79.62	93.67
CO4	4.19	75	79.19	93.17
CO5	3.46	75	78.46	92.31

SUBJECT NAME Theoretical Physics

SUBJECT CODE 16SCCPH9

NO.OF STUDEN' 26

COURSE OUTCOME	PERCENTAGE OF ATTAINMENT
CO1	93.62
CO2	93.76
CO3	93.67
CO4	93.17
CO5	92.31



COURSE ATTAINMENT FOR B.Sc Physics

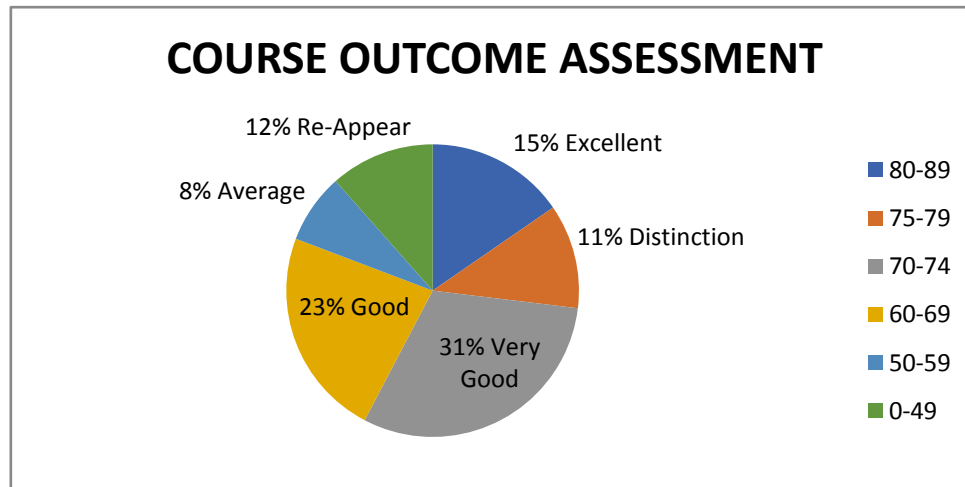
SUBJECT NAME Theoretical Physics

SUBJECT CODE 16SCCPH9

NO.OF STUDENTS 46

COURSE OUTCOME ASSESSMENT		
CATEGORY (MARK)	NO.OF STUDENTS	STATUS
90-100	0	TSTANDING
80-89	4	XCELLENT
75-79	3	STINCTION
70-74	8	ERY GOOD
60-69	6	GOOD
50-59	2	AVERAGE
0-49	3	E-APPEAR

CATEGORY	PERCENTAGE	STATUS
80-89	15.38	XCELLENT
75-79	11.54	STINCTION
70-74	30.77	ERY GOOD
60-69	23.08	GOOD
50-59	7.69	AVERAGE
0-49	11.54	E-APPEAR



PROGRAM OUTCOME

PO1	To understand the fundamentals of laws, principles and concepts.
PO2	To understand the structure, characteristics of various physical phenomena and their properties.
PO3	An ability to design analysis of circuit and interrupt data, testing of different electronics components and circuits.
PO4	To understand the implementation, Analysis fundamental process to recognizing experimental applying relevant laws to this problems.
PO5	The course built a foundation of various applied field and technology to enhance the student accordance ability & personal quality transferrable skill.

16SCCPH7-ELECTRONICS

COURSE OUTCOME

CO1	To understand the features of semiconductor and zener diode and their fundamental concepts
CO2	Design different types of oscillator.
CO3	Understand the working of basic gates.
CO4	Choose flip flop for a particular application.
CO5	Design operational amplifier circuits and to analyse their properties.

PO→	PO1	PO2	PO3	PO4	PO5
CO↓					
CO1	3	3	0	1	2
CO2	1	3	2	2	1
CO3	0	1	1	3	2
CO4	0	1	2	1	3
CO5	0	0	0	2	2
Average	0.8	1.6	1	1.8	2

Internal Examination Mark Distribution for each Course outcome

CO	Internal	Seminar	Assignment
CO1	3	1	1
CO2	3	1	1
CO3	3	1	1
CO4	3	1	1
CO5	3	1	1
Total	15	5	5

Register No	Name	CO1	CO2	CO3	CO4	CO5	Total	PERCENTAGE
CB17S 435886	G.ABIMANI	4	4	4	4	4	20	80
CB17S 435887	A.ABINAYA	4	5	5	5	5	24	96
CB17S 435889	G.ANITHA	5	4	4	4	4	21	84
CB17S 435890	B.ANUSUYA	4	5	5	5	5	24	96
CB17S 435891	S.ATCHAYA	2	4	4	4	3	17	68
CB17S 435892	B.BALANISHALINI	4	4	4	4	3	19	76
CB17S 435893	S.BAVANIYA	2	4	4	4	3	17	68
CB17S 435894	K.DEEBADHARSHINI	2	4	4	4	3	17	68
CB17S 435896	A.ISHWARYA	3	4	4	4	4	19	76
CB17S 435897	S.ISWARYA	5	5	5	5	3	23	92
CB17S 435898	S.JANANISRI	4	4	4	4	3	19	76
CB17S 435899	R.KEERTHIGA	5	3	5	5	5	23	92
CB17S 435900	R.KOKILA	4	4	4	4	4	20	80
CB17S 435901	V.KRISHNAKUMARI	4	4	4	4	3	19	76
CB17S 435902	V.KRISHNAVENI	4	4	4	4	4	20	80
CB17S 435903	S.LAKSHMIPRIYA	4	4	4	4	4	20	80
CB17S 435904	S.MAHADEVI	4	4	4	4	4	20	80
CB17S 435905	G.MAHESHWARI	4	4	4	5	5	22	88
CB17S 435906	S.MANISHA	3	4	5	5	5	22	88
CB17S 435907	M.MONISHA	4	3	3	3	3	16	64
CB17S 435909	K.NARMATHA	3	4	4	3	4	18	72
CB17S 435910	G.NEELAVENI	3	3	3	3	3	15	60
CB17S 435911	J.NILOFER	4	4	3	3	3	17	68
CB17S 435912	P.NIVEDHA	5	4	5	4	5	23	92
CB17S 435914	I.PRADEEPA	3	3	3	3	3	15	60
CB17S 435915	J.PRIYADHARSHINI 13.06.2000	4	4	4	4	4	20	80
CB17S 435916	J.PRIYADHARSHINI (20.12.1999)	4	4	4	4	4	20	80
CB17S 435917	R.PRIYADHARSHINI	4	3	4	4	4	19	76
CB17S 435919	P.PUNITHA	3	3	3	4	4	17	68
CB17S 435920	M.RAMMIYA	5	5	5	5	3	23	92

CB17S 435921	K.RATHIKA	4	4	4	4	3	19	76
CB17S 435922	M.RESEGA	5	3	5	5	5	23	92
CB17S 435923	S.M.SAKTHIPRIYA	4	4	4	4	4	20	80
CB17S 435924	T.SALINI	3	3	5	2	3	16	64
CB17S 435925	B.SAROJINI	4	2	5	2	2	15	60
CB17S 435926	B.SATHYA	4	2	5	3	3	17	68
CB17S 435927	T.SIVANYA	5	3	5	3	3	19	76
CB17S 435928	S.SNEHA	3	5	3	3	2	16	64
CB17S 435929	S.SUBITHIRA	3	5	5	5	5	23	92
CB17S 435930	K.THAMARAISELVI	5	5	3	3	3	19	76
CB17S 435931	V.UDHAYASURYA	5	5	5	5	5	25	100
CB17S 435932	S.VAISHNAVI	3	4	4	3	4	18	72
CB17S 435933	S.VIDHYA	5	5	5	3	3	21	84
CB17S 435934	M.VIJITHHIRA	4	4	3	3	3	17	68
CB17S 435935	K.VINITHA	5	4	5	4	5	23	92
CB17S 435936	A.VIVEKA	5	3	5	3	3	19	76
Average		3.91	3.89	4.20	3.85	3.70		

Expected Attainment in each CO - 85%

CO	Internal Exam	External Exam	Total	%
CO1	3.91	75	78.91	92.84
CO2	3.89	75	78.89	92.81
CO3	4.2	75	79.2	93.18
CO4	3.85	75	78.85	92.76
CO5	3.7	75	78.7	92.59

COURSE ATTAINMENT FOR B.Sc physics

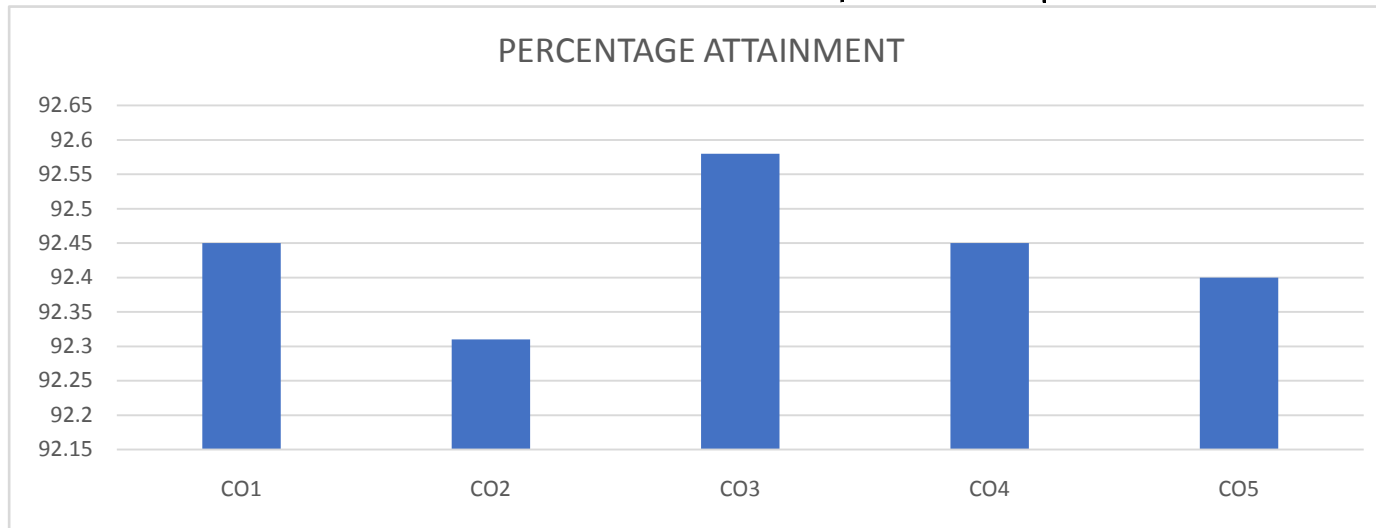
SUBJECT NAME: ELECTRONICS

SUBJECT CODE :16SCCPH7

NO OF STUDENTS:26

COURSE OUTCOME	PERCENTAGE ATTAINMENT
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CO1	92.84
CO2	92.81
CO3	93.18
CO4	92.76
CO5	92.59



COURSE ATTAINMENT FOR B.Sc PHYSICS

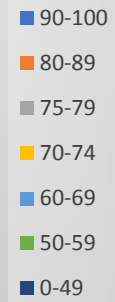
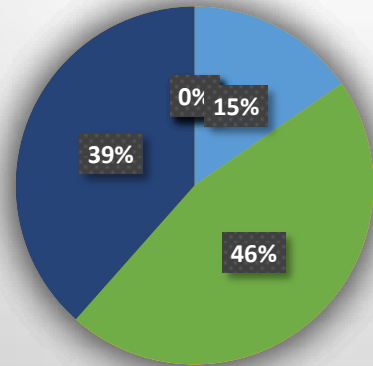
SUBJECT NAME:ELECTRONICS


SUBJECT CODE:16SCCPH7

NO OF STUDENTS:46

CATEGORY	COURSE OUTCOME ASSESSMENT	
	PERCENTAGE	STATUS
90-100	0	OUTSTANDING
80-89	0	EXCELLENT
75-79	0	DISTINCTION
70-74	0	VERY GOOD
60-69	4	GOOD
50-59	12	AVERAGE
0-49	10	REAPPEAR

COURSE OUTCOME ASSESSMENT PERCENTAGE




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